Journal of Applied Mechanics

Author Index

All authors of papers published in this volume are listed alphabetically. Full titles are included in each first author's entry. Letters in parentheses follow some of the page numbers: BN indicates Brief Note, D indicates Discussion, E indicates Errata, and BR indicates Book Review.

Abousleiman, Younane N., and Kanj, Mazen Y. — The Generalized Lamé Problem—Part II: Applications in Poromechanics. **71,** 180–189
_____ (see Kanj, Mazen Y.) **71,** 168–179
Adams, George G., Professor, Fellow ASME — (see Nosonovsky, Mikhail, Doctoral Student, Visiting Researcher) **71,** 154–161
Adams, George G. — Adhesion at the Wavy Contact Interface Between Two Elastic Bodies. **71,** 851–856
Alexandrov, S. — (see Alexandrova, N.) **71,** 427–429(BN)
Alexandrova, N., and Alexandrov, S. - - Elastic-Plastic Stress Distribution in a Plastically Anisotropic Rotating Disk. **71,** 427–429(BN)
Allen, J. S., and Rashid, M. M. — Dynamics of a Hyperelastic Gas-Filled Spherical Shell in a Viscous Fluid. **71,** 195–200
Atanackovic, T. M., and Spasic, D. T. — On Viscoelastic Compliant Contact-Impact Models. **71,** 134–138(BN)
Aubry, Nadine — (see Bao, Zhongping) **71,** 551–559

Bagi, Katalin, and Kuhn, Matthew R. — A Definition of Particle Rolling in a Granular Assembly in Terms of Particle Translations and Rotations. **71,** 493–501
Bakhtiyarov, Sayavur I. — (see Meir, Amnon J.) **71,** 786–795
Balke, Herbert — (see Häusler, Christoph) **71,** 486–492
Ballarini, Roberto — (see Wang, Yuping) **71,** 582–585(BN)
Bao, Zhongping, Mukherjee, Subrata, Roman, Max, and Aubry, Nadine — Nonlinear Vibrations of Beams, Strings, Plates, and Membranes Without Initial Tension. **71,** 551–559
Bassom, Andrew P. — (see Wadee, M. Khurram) **71,** 334–341
Bhattacharyya, S., Mahapatra, S., and Smith, F. T. — Influence of Surface Roughness on Shear Flow. **71,** 459–464
Biwa, S., Nakajima, S., and Ohno, N. — On the Acoustic Nonlinearity of Solid-Solid Contact With Pressure-Dependent Interface Stiffness. **71,** 508–515
Bockstedte, A. — (see Ma, F.) **71,** 342–349
Bosselman, S. E. — (see Godfrey, T. A.) **71,** 879–886
Buckham, Brad, Driscoll, Frederick R., and Nahon, Meyer — Development of a Finite Element Cable Model for Use in Low-Tension Dynamics Simulation. **71,** 476–485
Bulatovic, R. M. — On the Heavily Damped Response in Viscously Damped Dynamic Systems. **71,** 131–134(BN)

Cale, Timothy S. — (see Seok, Jongwon) **71,** 162–167
Cao, D. Q., Ge, Y. M., and Yang, Y. R. — Stability Criteria for Nonclassically Damped Systems With Nonlinear Uncertainties. **71,** 632–636
Casey, J. — A Basic Power Decomposition in Lagrangian Mechanics. **71,** 735–738
Chamberlain, J. A., Horrobin, D. J., Landman, K. A., and Sader, J. E. — Upper and Lower Bounds for Incipient Failure in a Body Under Gravitational Loading. **71,** 586–589(BN)
Chandrasekar, Srinivasan — (see Shankar, M. Ravi) **71,** 546–550
Chatterjee, Anindya — The Short-Time Impulse Response of Euler-Bernoulli Beams. **71,** 208–218
Chen, Hongqiang, Kysar, Jeffrey W., and Yao, Y. Lawrence — Characterization of Plastic Deformation Induced by Microscale Laser Shock Peening. **71,** 713–723
Chen, X., and Hutchinson, John W. — Herringbone Buckling Patterns of Compressed Thin Films on Compliant Substrates. **71,** 597–603
Chen, Y. Z., and Lee, Kang Yong — Analysis of the *M*-Integral in Plane Elasticity. **71,** 572–574(BN)
Christensen, Richard M. — The Three-Dimensional Analog of the Classical Two-Dimensional Truss System. **71,** 285–287(BN)
Chu, Peter C., Fan, Chenwu, Evans, Ashley D., and Gilles, Anthony — Triple Coordinate Transforms for Prediction of Falling Cylinder Through the Water Column. **71,** 292–298(BN)
Chu, Xiao-ting, Li, Long-yuan, and Kettle, Roger — The Effect of Warping Stress on the Lateral-Torsion Buckling of Cold-Formed Zed-Purlins. **71,** 742–744
Coman, Ciprian D. — (see Wadee, M. Khurram) **71,** 334–341
Cortelezzi, L., Pong, A., and Païdoussis, M. P. — Flutter of Rotating Shells With a Co-rotating Axial Flow. **71,** 143–145(BN)
Curtin, W. A. — (see O'Day, M. P.) **71,** 805–815

Deshpande, V. S. — (see Fleck, N. A.) **71,** 386–401
_____ (see Qiu, X.) **71,** 637–645
Destrade, M. — Rayleigh Waves in Anisotropic Crystals Rotating About the Normal to a Symmetry Plane. **71,** 516–520
Doyoyo, Mulalo — (see Mohr, Dirk) **71,** 375–385
Driscoll, Frederick R. — (see Buckham, Brad) **71,** 476–485
Dumir, P. C. — (see Kapuria, S.) **71,** 594–595(D)

Eke, Fidelis O., Mao, Tai-Chien, and Morris, Michael J. — Free Attitude Motions of a Spinning Body With Substantial Mass Loss. **71,** 190–194
Evans, A. G. — (see Rathbun, H. J.) **71,** 368–374
Evans, Ashley D. — (see Chu, Peter C.) **71,** 292–298(BN)

Fan, Chenwu — (see Chu, Peter C.) **71,** 292–298(BN)
Farris, Thomas N. — (see Shankar, M. Ravi) **71,** 546–550
Felippa, Carlos A., and Oñate, Eugenio — Volumetric Constraint Models for Anisotropic Elastic Solids. **71,** 731–734(BN)
Feng, R. — (see Hu, Y.) **71,** 441–449
Fleck, N. A., and Deshpande, V. S. — The Resistance of Clamped Sandwich Beams to Shock Loading. **71,** 386–401
_____ (see Qiu, X.) **71,** 637–645
Fleck, Norman A. — (see Suiker, Akke S. J.) **71,** 350–358
Flórez-López, Julio — (see Marante, Maria Eugenia) **71,** 283–285(BN)
Fokkema, Jacob — (see Wapenaar, Kees) **71,** 145–150(BN)
Foliente, G. C. — (see Ma, F.) **71,** 342–349
Fyfe, K. R. — (see Williams, T. R.) **71,** 10–14

Ganti, S. — (see Sharma, P.) **71,** 663–671
Gao, Cun-Fa — (see Häusler, Christoph) **71,** 486–492
Gao, Y. F. — (see Suo, Z.) **71,** 24–31

Journal of Applied Mechanics

Author Index

All authors of papers published in this volume are listed alphabetically. Full titles are included in each first author's entry. Letters in parentheses follow some of the page numbers: BN indicates Brief Note, D indicates Discussion, E indicates Errata, and BR indicates Book Review.

Abousleiman, Younane N., and Kanj, Mazen Y. — The Generalized Lamé Problem—Part II: Applications in Poromechanics. **71,** 180–189
_____ (see Kanj, Mazen Y.) **71,** 168–179
Adams, George G., Professor, Fellow ASME — (see Nosonovsky, Mikhail, Doctoral Student, Visiting Researcher) **71,** 154–161
Adams, George G. — Adhesion at the Wavy Contact Interface Between Two Elastic Bodies. **71,** 851–856
Alexandrov, S. — (see Alexandrova, N.) **71,** 427–429(BN)
Alexandrova, N., and Alexandrov, S. - - Elastic-Plastic Stress Distribution in a Plastically Anisotropic Rotating Disk. **71,** 427–429(BN)
Allen, J. S., and Rashid, M. M. — Dynamics of a Hyperelastic Gas-Filled Spherical Shell in a Viscous Fluid. **71,** 195–200
Atanackovic, T. M., and Spasic, D. T. — On Viscoelastic Compliant Contact-Impact Models. **71,** 134–138(BN)
Aubry, Nadine — (see Bao, Zhongping) **71,** 551–559

Bagi, Katalin, and Kuhn, Matthew R. — A Definition of Particle Rolling in a Granular Assembly in Terms of Particle Translations and Rotations. **71,** 493–501
Bakhtiyarov, Sayavur I. — (see Meir, Amnon J.) **71,** 786–795
Balke, Herbert — (see Häusler, Christoph) **71,** 486–492
Ballarini, Roberto — (see Wang, Yuping) **71,** 582–585(BN)
Bao, Zhongping, Mukherjee, Subrata, Roman, Max, and Aubry, Nadine — Nonlinear Vibrations of Beams, Strings, Plates, and Membranes Without Initial Tension. **71,** 551–559
Bassom, Andrew P. — (see Wadee, M. Khurram) **71,** 334–341
Bhattacharyya, S., Mahapatra, S., and Smith, F. T. — Influence of Surface Roughness on Shear Flow. **71,** 459–464
Biwa, S., Nakajima, S., and Ohno, N. — On the Acoustic Nonlinearity of Solid-Solid Contact With Pressure-Dependent Interface Stiffness. **71,** 508–515
Bockstedte, A. — (see Ma, F.) **71,** 342–349
Bosselman, S. E. — (see Godfrey, T. A.) **71,** 879–886
Buckham, Brad, Driscoll, Frederick R., and Nahon, Meyer — Development of a Finite Element Cable Model for Use in Low-Tension Dynamics Simulation. **71,** 476–485
Bulatovic, R. M. — On the Heavily Damped Response in Viscously Damped Dynamic Systems. **71,** 131–134(BN)

Cale, Timothy S. — (see Seok, Jongwon) **71,** 162–167
Cao, D. Q., Ge, Y. M., and Yang, Y. R. — Stability Criteria for Nonclassically Damped Systems With Nonlinear Uncertainties. **71,** 632–636
Casey, J. — A Basic Power Decomposition in Lagrangian Mechanics. **71,** 735–738
Chamberlain, J. A., Horrobin, D. J., Landman, K. A., and Sader, J. E. — Upper and Lower Bounds for Incipient Failure in a Body Under Gravitational Loading. **71,** 586–589(BN)
Chandrasekar, Srinivasan — (see Shankar, M. Ravi) **71,** 546–550
Chatterjee, Anindya — The Short-Time Impulse Response of Euler-Bernoulli Beams. **71,** 208–218
Chen, Hongqiang, Kysar, Jeffrey W., and Yao, Y. Lawrence — Characterization of Plastic Deformation Induced by Microscale Laser Shock Peening. **71,** 713–723
Chen, X., and Hutchinson, John W. — Herringbone Buckling Patterns of Compressed Thin Films on Compliant Substrates. **71,** 597–603
Chen, Y. Z., and Lee, Kang Yong — Analysis of the *M*-Integral in Plane Elasticity. **71,** 572–574(BN)
Christensen, Richard M. — The Three-Dimensional Analog of the Classical Two-Dimensional Truss System. **71,** 285–287(BN)
Chu, Peter C., Fan, Chenwu, Evans, Ashley D., and Gilles, Anthony — Triple Coordinate Transforms for Prediction of Falling Cylinder Through the Water Column. **71,** 292–298(BN)
Chu, Xiao-ting, Li, Long-yuan, and Kettle, Roger — The Effect of Warping Stress on the Lateral-Torsion Buckling of Cold-Formed Zed-Purlins. **71,** 742–744
Coman, Ciprian D. — (see Wadee, M. Khurram) **71,** 334–341
Cortelezzi, L., Pong, A., and Païdoussis, M. P. — Flutter of Rotating Shells With a Co-rotating Axial Flow. **71,** 143–145(BN)
Curtin, W. A. — (see O'Day, M. P.) **71,** 805–815

Deshpande, V. S. — (see Fleck, N. A.) **71,** 386–401
_____ (see Qiu, X.) **71,** 637–645
Destrade, M. — Rayleigh Waves in Anisotropic Crystals Rotating About the Normal to a Symmetry Plane. **71,** 516–520
Doyoyo, Mulalo — (see Mohr, Dirk) **71,** 375–385
Driscoll, Frederick R. — (see Buckham, Brad) **71,** 476–485
Dumir, P. C. — (see Kapuria, S.) **71,** 594–595(D)

Eke, Fidelis O., Mao, Tai-Chien, and Morris, Michael J. — Free Attitude Motions of a Spinning Body With Substantial Mass Loss. **71,** 190–194
Evans, A. G. — (see Rathbun, H. J.) **71,** 368–374
Evans, Ashley D. — (see Chu, Peter C.) **71,** 292–298(BN)

Fan, Chenwu — (see Chu, Peter C.) **71,** 292–298(BN)
Farris, Thomas N. — (see Shankar, M. Ravi) **71,** 546–550
Felippa, Carlos A., and Oñate, Eugenio — Volumetric Constraint Models for Anisotropic Elastic Solids. **71,** 731–734(BN)
Feng, R. — (see Hu, Y.) **71,** 441–449
Fleck, N. A., and Deshpande, V. S. — The Resistance of Clamped Sandwich Beams to Shock Loading. **71,** 386–401
_____ (see Qiu, X.) **71,** 637–645
Fleck, Norman A. — (see Suiker, Akke S. J.) **71,** 350–358
Flórez-López, Julio — (see Marante, Maria Eugenia) **71,** 283–285(BN)
Fokkema, Jacob — (see Wapenaar, Kees) **71,** 145–150(BN)
Foliente, G. C. — (see Ma, F.) **71,** 342–349
Fyfe, K. R. — (see Williams, T. R.) **71,** 10–14

Ganti, S. — (see Sharma, P.) **71,** 663–671
Gao, Cun-Fa — (see Häusler, Christoph) **71,** 486–492
Gao, Y. F. — (see Suo, Z.) **71,** 24–31

Gatti-Bono, Caroline, and Perkins, N. C. — Effect of Loop Shape on the Drag-Induced Lift of Fly Line. **71,** 745–747
Gavin, Henri P. — (see Shiraishi, Toshihiko) **71,** 201–207
Ge, Y. M. — (see Cao, D. Q.) **71,** 632–636
Gilles, Anthony — (see Chu, Peter C.) **71,** 292–298(BN)
Glavardanov, V. B. — (see Maretic, R. B.) **71,** 896–899(BN)
Godfrey, T. A., Rossettos, J. N., and Bosselman, S. E. — The Onset of Tearing at Slits in Stressed Coated Plain Weave Fabrics. **71,** 879–886
Gokaltun, Seckin — (see Muradoglu, Metin) **71,** 857–865
Goldfeld, Yiska, and Sheinman, Izhak — Discontinuities in the Sensitivity Curves of Laminated Cylindrical Shells. **71,** 418–420(BN)
Gross, D. — (see Wang, Y. S.) **71,** 151(E)

Hansen, J. S. — (see Oguamanam, D. C. D.) **71,** 49–56
Häusler, Christoph, Gao, Cun-Fa, and Balke, Herbert — Collinear and Periodic Electrode-Ceramic Interfacial Cracks in Piezoelectric Bimaterials. **71,** 486–492
He, M. Y. — (see Rathbun, H. J.) **71,** 368–374
Heppler, G. R. — (see Lahey, T. J.) **71,** 32–40
_____ (see Oguamanam, D. C. D.) **71,** 49–56
Higuchi, K. — (see Iwasa, T.) **71,** 532–540
Hills, D. A. — (see Mugadu, A.) **71,** 225–233
Hodges, Dewey H. — (see Yu, Wenbin) **71,** 1–9
_____ (see Yu, Wenbin) **71,** 15–23
Horrobin, D. J. — (see Chamberlain, J. A.) **71,** 586–589(BN)
Howell, Larry L. — (see Wittwer, Jonathan W.) **71,** 748–751
Hsia, K. Jimmy — (see Thiagarajan, Ganesh) **71,** 796–804
Hu, Y., and Feng, R. — On the Use of a Kolsky Torsion Bar to Study the Transient Large-Strain Response of Polymer Melts at High Shear Rates. **71,** 441–449
Huang, G.-Y. — (see Wang, Y. S.) **71,** 151(E)
Huang, Y. — (see Shi, M. X.) **71,** 433–435(BN)
Huang, Yonggang Y. — (see Thiagarajan, Ganesh) **71,** 796–804
Hutchinson, J. W. — (see Wicks, N.) **71,** 652–662
Hutchinson, James R. — On Timoshenko Beams of Rectangular Cross-Section. **71,** 359–367
Hutchinson, John W. — (see Chen, X.) **71,** 597–603
Hwang, K. C. — (see Shi, M. X.) **71,** 433–435(BN)

Ishimoto, Jun — Numerical Prediction of Cavitating MHD Flow of Electrically Conducting Magnetic Fluid in a Converging-Diverging Nozzle. **71,** 825–838
Iveson, Simon M., and Page, Neil W. — Brittle to Plastic Transition in the Dynamic Mechanical Behavior of Partially Saturated Granular Materials. **71,** 470–475
Iwasa, T., Natori, M. C., and Higuchi, K. — Evaluation of Tension Field Theory for Wrinkling Analysis With Respect to the Post-Buckling Study. **71,** 532–540

Jang, J. Y., and Khonsari, M. M. — Thermoelastic Instability of Two-Conductor Friction System Including Surface Roughness. **71,** 57–68
Jarvis, John L. — (see Moore, Thomas D.) **71,** 290–292(BN)
Jiang, Xiquan — (see Tong, Wei) **71,** 521–531
Ju, J. W. — (see Sun, L. Z.) **71,** 774–785

Kalaba, Robert E. — (see Udwadia, Firdaus E.) **71,** 615–621
Kang, Jae-Hoon, and Leissa, Arthur W. — Three-Dimensional Vibration Analysis of Thick, Complete Conical Shells. **71,** 502–507
Kang, Namcheol, and Raman, Arvind — Aeroelastic Flutter Mechanisms of a Flexible Disk Rotating in an Enclosed Compressible Fluid. **71,** 120–130
Kanj, Mazen Y., and Abousleiman, Younane N. — The Generalized Lamé Problem—Part I: Coupled Poromechanical Solutions. **71,** 168–179
_____ (see Abousleiman, Younane N.) **71,** 180–189
Kapuria, S. — A Coupled Zig-Zag Third-Order Theory for Piezoelectric Hybrid Cross-Ply Plates. **71,** 604–614
_____, **and Dumir, P. C.** — Discussion: "Zeroth-Order Shear Deformation Theory for Laminated Composite Plates" (Ray, M. C., 2003 ASME J. Appl. Mech., 70, pp. 374–380). **71,** 594–595(D)
Karamanos, S. A. — (see Papaspyrou, S.) **71,** 255–265
Karp, B. — End Effects in Prestrained Plates Under Compression. **71,** 816–824
Kettle, Roger — (see Chu, Xiao-ting) **71,** 742–744
Khonsari, M. M. — (see Jang, J. Y.) **71,** 57–68
Kim, Andrew T. — (see Seok, Jongwon) **71,** 162–167
Kitipornchai, S. — (see Liew, K. M.) **71,** 839–850
Kolesnikova, A. I., and Romanov, A. E. — Virtual Circular Dislocation-Disclination Loop Technique in Boundary Value Problems in the Theory of Defects. **71,** 409–417
Kong, Lingyuan, and Parker, Robert G. — Coupled Belt-Pulley Vibration in Serpentine Drives With Belt Bending Stiffness. **71,** 109–119
Krishnamurthy, R., and Srolovitz, D. J. — A General Solution for Two-Dimensional Stress Distributions in Thin Films. **71,** 691–696
Kuhn, Matthew R. — (see Bagi, Katalin) **71,** 493–501
Kysar, Jeffrey W. — (see Chen, Hongqiang) **71,** 713–723

Lahey, T. J., and Heppler, G. R. — Mechanical Modeling of Fabrics in Bending. **71,** 32–40
Landman, K. A. — (see Chamberlain, J. A.) **71,** 586–589(BN)
Larsson, P.-L. — (see Storåkers, B.) **71,** 247–254
Law, S. S. — (see Lu, Z. R.) **71,** 739–741
Lee, Kang Yong — (see Chen, Y. Z.) **71,** 572–574(BN)
_____ (see Li, Xian-Fang) **71,** 866–878
_____ (see Yang, Ji Hyuck) **71,** 567–571(BN)
Leissa, Arthur W. — (see Kang, Jae-Hoon) **71,** 502–507
Li, Long-yuan — (see Chu, Xiao-ting) **71,** 742–744
Li, M. — (see Shi, M. X.) **71,** 433–435(BN)
Li, Xian-Fang, and Lee, Kang Yong — Three-Dimensional Electroelastic Analysis of a Piezoelectric Material With a Penny-Shaped Dielectric Crack. **71,** 866–878
Li, Zhonghua, and Yang, Lihong — The Near-Tip Stress Intensity Factor for a Crack Partially Penetrating an Inclusion. **71,** 465–469
Liang, Q. — (see Narain, A.) **71,** 69–88
Liew, K. M., and Liu, X. B. — The Maximal Lyapunov Exponent for a Three-Dimensional Stochastic System. **71,** 677–690
_____, **Yang, J., and Kitipornchai, S.** — Thermal Post-Buckling of Laminated Plates Comprising Functionally Graded Materials With Temperature-Dependent Properties. **71,** 839–850
Lin, Yuan, and Ovaert, Timothy C. — Indentation of an Anisotropic Half-Space by a Heated Flat Punch. **71,** 266–272
Liu, X. B. — (see Liew, K. M.) **71,** 677–690
Lu, Z. R., and Law, S. S. — System Identification Including the Load Environment. **71,** 739–741
Luo, Cheng — Determination of Loads in an Inextensible Network According to Geometry of Its Wrinkles. **71,** 298–300(BN)

Ma, F., Zhang, H., Bockstedte, A., Foliente, G. C., and Paevere, P. — Parameter Analysis of the Differential Model of Hysteresis. **71,** 342–349
Mahapatra, S. — (see Bhattacharyya, S.) **71,** 459–464
Mai, Yiu-Wing — (see Wang, Bao-Lin) **71,** 575–578(BN)

Manko, David J., and Sussman, Myron M. — Predicting Oscillatory Fluid-Elastic Instability of a Tongue-in-Groove Leakage Joint. **71,** 41–48
Mao, Tai-Chien — (see Eke, Fidelis O.) **71,** 190–194
Marante, Maria Eugenia, and Flórez-López, Julio — Plastic Localization Revisited. **71,** 283–285(BN)
Maretic, R. B., and Glavardanov, V. B. — Stability of a Rotating Heated Circular Plate With Elastic Edge Support. **71,** 896–899(BN)
Meir, Amnon J., Schmidt, Paul G., Bakhtiyarov, Sayavur I., and Overfelt, Ruel A. — Numerical Simulation of Steady Liquid-Metal Flow in the Presence of a Static Magnetic Field. **71,** 786–795
Mioduchowski, A. — (see Wang, C. Y.) **71,** 622–631
Miroshnik, Roman — Three-Dimensional Steady-State String Motion in a Fluid Flow. **71,** 894–895(BN)
Mittal, S. — Three-Dimensional Instabilities in Flow Past a Rotating Cylinder. **71,** 89–95
Mohr, Dirk, and Doyoyo, Mulalo — Experimental Investigation on the Plasticity of Hexagonal Aluminum Honeycomb Under Multiaxial Loading. **71,** 375–385
Moore, Thomas D., and Jarvis, John L. — Peeling in Bimaterial Beams: The Peeling Moment and Its Relation to the Differential Rigidity. **71,** 290–292(BN)
Moretti, Peter M. — Lateral Deflections of Webs in Air-Flotation Ovens. **71,** 314–320
Morishita, Shin — (see Shiraishi, Toshihiko) **71,** 201–207
Morris, Michael J. — (see Eke, Fidelis O.) **71,** 190–194
Mottershead, J. E. — (see Ouyang, H.) **71,** 753–758
Mugadu, A., Sackfield, A., and Hills, D. A. — Analysis of a Rocking and Walking Punch—Part I: Initial Transient and Steady State. **71,** 225–233
Mukherjee, Subrata — (see Bao, Zhongping) **71,** 551–559
Muradoglu, Metin, and Gokaltun, Seckin — Implicit Multigrid Computations of Buoyant Drops Through Sinusoidal Constrictions. **71,** 857–865

Nahon, Meyer — (see Buckham, Brad) **71,** 476–485
Nakajima, S. — (see Biwa, S.) **71,** 508–515
Namachchivaya, N. Sri, and Van Roessel, H. J. — Stochastic Stability of Coupled Oscillators in Resonance: A Perturbation Approach. **71,** 759–768
Narain, A., Liang, Q., Yu, G., and Wang, X. — Direct Computational Simulations for Internal Condensing Flows and Results on Attainability/Stability of Steady Solutions, Their Intrinsic Waviness, and Their Noise Sensitivity. **71,** 69–88
Natori, M. C. — (see Iwasa, T.) **71,** 532–540
Nosonovsky, Mikhail, Doctoral Student, Visiting Researcher, and Adams, George G., Professor, Fellow ASME — Vibration and Stability of Frictional Sliding of Two Elastic Bodies With a Wavy Contact Interface. **71,** 154–161
Nowell, D. — Analysis of a Rocking and Walking Punch—Part II: General Numerical Solution Using Quadratic Programming. **71,** 234–239

O'Day, M. P., and Curtin, W. A. — A Superposition Framework for Discrete Dislocation Plasticity. **71,** 805–815
Oguamanam, D. C. D., Hansen, J. S., and Heppler, G. R. — Nonlinear Transient Response of Thermally Loaded Laminated Panels. **71,** 49–56
Ohno, N. — (see Biwa, S.) **71,** 508–515
Oñate, Eugenio — (see Felippa, Carlos A.) **71,** 731–734(BN)
O'Reilly, Oliver M., and Varadi, Peter C. — On Some Peculiar Aspects of Axial Motions of Closed Loops of String in the Presence of a Singular Supply of Momentum. **71,** 541–545
Ostoja-Starzewski, M. — Fracture of Brittle Microbeams. **71,** 424–427(BN)
Ouyang, H., and Mottershead, J. E. — Dynamic Instability of an Elastic Disk Under the Action of a Rotating Friction Couple. **71,** 753–758
Ovaert, Timothy C. — (see Lin, Yuan) **71,** 266–272
Overfelt, Ruel A. — (see Meir, Amnon J.) **71,** 786–795

Paevere, P. — (see Ma, F.) **71,** 342–349
Page, Neil W. — (see Iveson, Simon M.) **71,** 470–475
Païdoussis, M. P. — (see Cortelezzi, L.) **71,** 143–145(BN)
Palizzolo, Luigi — Optimal Design of Trusses According to a Plastic Shakedown Criterion. **71,** 240–246
Papaspyrou, S., Valougeorgis, D., and Karamanos, S. A. — Sloshing Effects in Half-Full Horizontal Cylindrical Vessels Under Longitudinal Excitation. **71,** 255–265
Parker, Robert G. — (see Kong, Lingyuan) **71,** 109–119
Pauk, Volodymyr — Contact Problem Involving Frictional Heating for Rough Half-Space. **71,** 287–290(BN)
Perkins, N. C. — (see Gatti-Bono, Caroline) **71,** 745–747
Phohomsiri, Phailaung — (see Udwadia, Firdaus E.) **71,** 615–621
Pong, A. — (see Cortelezzi, L.) **71,** 143–145(BN)

Qiu, X., Deshpande, V. S., and Fleck, N. A. — Dynamic Response of a Clamped Circular Sandwich Plate Subject to Shock Loading. **71,** 637–645

Raman, Arvind — (see Kang, Namcheol) **71,** 120–130
Rashid, M. M. — (see Allen, J. S.) **71,** 195–200
Rathbun, H. J., Wei, Z., He, M. Y., Zok, F. W., Evans, A. G., Sypeck, D. J., and Wadley, H. N. G. — Measurement and Simulation of the Performance of a Lightweight Metallic Sandwich Structure With a Tetrahedral Truss Core. **71,** 368–374
Ravi-Chandar, K. — (see Wang, R.) **71,** 697–705
——— (see Wang, R.) **71,** 706–712
Rohart, C. — (see Storåkers, B.) **71,** 247–254
Roman, Max — (see Bao, Zhongping) **71,** 551–559
Romanov, A. E. — (see Kolesnikova, A. I.) **71,** 409–417
Rossettos, J. N. — (see Godfrey, T. A.) **71,** 879–886
Ru, C. Q. — Surface Instability of a Semi-Infinite Elastic Body Under Surface van der Waals Forces. **71,** 138–140(BN)
——— (see Wang, C. Y.) **71,** 622–631
Ruichong Zhang, Ray — Concept and Fundamentals of Temporal-Spatial Pulse Representation for Dislocation Source Modeling. **71,** 887–893

Sackfield, A. — (see Mugadu, A.) **71,** 225–233
Sader, J. E. — (see Chamberlain, J. A.) **71,** 586–589(BN)
Sankar, B. V. — (see Zhu, H.) **71,** 421–424(BN)
Schmidt, Paul G. — (see Meir, Amnon J.) **71,** 786–795
Scoles, G. — (see Suo, Z.) **71,** 24–31
Seok, Jongwon, Kim, Andrew T., Cale, Timothy S., and Tichy, John A. — Two-Dimensional Analysis of an Elastic Layer Coupled to a Viscous Fluid. **71,** 162–167
Shankar, M. Ravi, Chandrasekar, Srinivasan, and Farris, Thomas N. — Interaction Between Dislocations in a Couple Stress Medium. **71,** 546–550
Sharma, P., and Ganti, S. — Size-Dependent Eshelby's Tensor for Embedded Nano-Inclusions Incorporating Surface/Interface Energies. **71,** 663–671
Shaw, John — (see Wineman, Alan) **71,** 769–773
Sheinman, Izhak — (see Goldfeld, Yiska) **71,** 418–420(BN)
Shi, M. X., Huang, Y., Li, M., and Hwang, K. C. — On Source-Limited Dislocations in Nanoindentation. **71,** 433–435(BN)

Shiraishi, Toshihiko, Morishita, Shin, and Gavin, Henri P. — Estimation of Equivalent Permeability in Magnetorheological Fluid Considering Cluster Formation of Particles. **71,** 201–207
Siginer, Dennis A. — On the Nearly Viscometric Torsional Motion of Viscoelastic Liquids Between Shrouded Rotating Disks. **71,** 305–313
Smith, F. T. — (see Bhattacharyya, S.) **71,** 459–464
Spasic, D. T. — (see Atanackovic, T. M.) **71,** 134–138(BN)
Srolovitz, D. J. — (see Krishnamurthy, R.) **71,** 691–696
Stephen, N. G., and Wang, P. J. — Saint-Venant Decay Rates for the Rectangular Cross Section Rod. **71,** 429–433(BN)
Storåkers, B., Larsson, P.-L., and Rohart, C. — On Delamination Growth in Shallow Shells. **71,** 247–254
Suiker, Akke S. J., and Fleck, Norman A. — Frictional Collapse of Granular Assemblies. **71,** 350–358
Sun, L. Z., and Ju, J. W. — Elastoplastic Modeling of Metal Matrix Composites Containing Randomly Located and Oriented Spheroidal Particles. **71,** 774–785
Suo, Z. — A Continuum Theory That Couples Creep and Self-Diffusion. **71,** 646–651
____, Gao, Y. F., and Scoles, G. — Nanoscale Domain Stability in Organic Monolayers on Metals. **71,** 24–31
Sussman, Myron M. — (see Manko, David J.) **71,** 41–48
Sypeck, D. J. — (see Rathbun, H. J.) **71,** 368–374

Tao, Hong — (see Tong, Wei) **71,** 521–531
Thiagarajan, Ganesh, Huang, Yonggang Y., and Hsia, K. Jimmy — Fracture Simulation Using an Elasto-Viscoplastic Virtual Internal Bond Model With Finite Elements. **71,** 796–804
Tichy, John A. — (see Seok, Jongwon) **71,** 162–167
Tong, Wei, Tao, Hong, and Jiang, Xiquan — Modeling the Rotation of Orthotropic Axes of Sheet Metals Subjected to Off-Axis Uniaxial Tension. **71,** 521–531
Tvergaard, Viggo — Effect of Residual Stress on Cavitation Instabilities in Constrained Metal Wires. **71,** 560–566

Udwadia, Firdaus E., Kalaba, Robert E., and Phohomsiri, Phailaung — Mechanical Systems With Nonideal Constraints: Explicit Equations Without the Use of Generalized Inverses. **71,** 615–621
Utsumi, M. — A Mechanical Model for Low-Gravity Sloshing in an Axisymmetric Tank. **71,** 724–730

Valougeorgis, D. — (see Papaspyrou, S.) **71,** 255–265
Van Roessel, H. J. — (see Namachchivaya, N. Sri) **71,** 759–768
Varadi, Peter C. — (see O'Reilly, Oliver M.) **71,** 541–545
Volokh, K. Y. — Nonlinear Elasticity for Modeling Fracture of Isotropic Brittle Solids. **71,** 141–143(BN)

Waas, Anthony M. — (see Yerramalli, Chandra S.) **71,** 402–408
Wadee, M. Khurram, Coman, Ciprian D., and Bassom, Andrew P. — Numerical Stability Criteria for Localized Post-buckling Solutions in a Strut-on-Foundation Model. **71,** 334–341
Wadley, H. N. G. — (see Rathbun, H. J.) **71,** 368–374
Wang, B. L., and Zhang, X. H. — A Mode III Crack in a Functionally Graded Piezoelectric Material Strip. **71,** 327–333
Wang, Bao-Lin, and Mai, Yiu-Wing — Impermeable Crack and Permeable Crack Assumptions, Which One is More Realistic? **71,** 575–578(BN)
Wang, C. Y. — Buckling of a Rotating Rod Under Axial Force. **71,** 590–593(BN)
____, Ru, C. Q., and Mioduchowski, A. — Applicability and Limitations of Simplified Elastic Shell Equations for Carbon Nanotubes. **71,** 622–631
Wang, P. J. — (see Stephen, N. G.) **71,** 429–433(BN)
Wang, R., and Ravi-Chandar, K. — Mechanical Response of a Metallic Aortic Stent—Part I: Pressure-Diameter Relationship. **71,** 697–705
____, and Ravi-Chandar, K. — Mechanical Response of a Metallic Aortic Stent—Part II: A Beam-on-Elastic Foundation Model. **71,** 706–712
Wang, X. — (see Narain, A.) **71,** 69–88
Wang, Y. S., Huang, G.-Y., and Gross, D. — Erratum: "On the Mechanical Modeling of Functionally Graded Interfacial Zone With a Griffith Crack: Anti-Plane Deformation" [ASME J. Appl. Mech., 2003, **70**, pp. 676–680]. **71,** 151(E)
Wang, Yuping, and Ballarini, Roberto — A Long Crack Penetrating a Transforming Inhomogeneity. **71,** 582–585(BN)
Wapenaar, Kees, and Fokkema, Jacob — Reciprocity Theorems for Diffusion, Flow, and Waves. **71,** 145–150(BN)
Wei, Z. — (see Rathbun, H. J.) **71,** 368–374
Wen, GuiLin, Xie, JianHua, and Xu, Daolin — Onset of Degenerate Hopf Bifurcation of a Vibro-Impact Oscillator. **71,** 579–581(BN)
Wicks, N., and Hutchinson, J. W. — Sandwich Plates Actuated by a Kagome Planar Truss. **71,** 652–662
Williams, T. R., and Fyfe, K. R. — Planar Accelerometer Configurations. **71,** 10–14
Wineman, Alan, and Shaw, John — A Correspondence Principle for Scission-Induced Stress Relaxation in Elastomeric Components. **71,** 769–773
Wittwer, Jonathan W., and Howell, Larry L. — Mitigating the Effects of Local Flexibility at the Built-In Ends of Cantilever Beams. **71,** 748–751
Wu, M. Y. — (see Young, T. H.) **71,** 450–458

Xiao, Zhonghui — (see Zheng, Tiesheng) **71,** 219–224
Xie, JianHua — (see Wen, GuiLin) **71,** 579–581(BN)
Xu, Daolin — (see Wen, GuiLin) **71,** 579–581(BN)
Xu, Xianfan — (see Zhang, X. Richard) **71,** 321–326

Yang, B. — Defect Green's Function of Multiple Point-Like Inhomogeneities in a Multilayered Anisotropic Elastic Solid. **71,** 672–676
Yang, J. — (see Liew, K. M.) **71,** 839–850
Yang, Ji Hyuck, and Lee, Kang Yong — Nonaxisymmetric Dynamic Problem of a Penny-Shaped Crack in a Three-Dimensional Piezoelectric Strip Under Normal Impact Loads. **71,** 567–571(BN)
Yang, Lihong — (see Li, Zhonghua) **71,** 465–469
Yang, Shuhua — (see Zheng, Tiesheng) **71,** 219–224
Yang, Y. R. — (see Cao, D. Q.) **71,** 632–636
Yao, Y. Lawrence — (see Chen, Hongqiang) **71,** 713–723
Yerramalli, Chandra S., and Waas, Anthony M. — A Nondimensional Number to Classify Composite Compressive Failure. **71,** 402–408
Yigit, Faruk — Existence of Critical Wavelength for Gap Nucleation in Solidification on a Rigid Mold. **71,** 96–108
Yin, Wan-Lee — Degeneracy, Derivative Rule, and Green's Functions of Anisotropic Elasticity. **71,** 273–282
Young, T. H., and Wu, M. Y. — Dynamic Stability of Disks With Periodically Varying Spin Rates Subjected to Stationary In-Plane Edge Loads. **71,** 450–458
Yu, G. — (see Narain, A.) **71,** 69–88
Yu, Wenbin, and Hodges, Dewey H. — A Geometrically Nonlinear Shear Deformation Theory for Composite Shells. **71,** 1–9
____, and Hodges, Dewey H. — Elasticity Solutions Versus Asymptotic Sectional Analysis of Homogeneous, Isotropic, Prismatic Beams. **71,** 15–23

Zhang, H. — (see Ma, F.) **71,** 342–349
Zhang, Wen — (see Zheng, Tiesheng) **71,** 219–224
Zhang, X. H. — (see Wang, B. L.) **71,** 327–333

Zhang, X. Richard, and Xu, Xianfan — Finite Element Analysis of Pulsed Laser Bending: The Effect of Melting and Solidification. **71,** 321–326

Zheng, Tiesheng, Yang, Shuhua, Xiao, Zhonghui, and Zhang, Wen — A Ritz Model of Unsteady Oil-Film Forces for Nonlinear Dynamic Rotor-Bearing System. **71,** 219–224

Zhu, H., and Sankar, B. V. — A Combined Fourier Series–Galerkin Method for the Analysis of Functionally Graded Beams. **71,** 421–424(BN)

Zok, F. W. — (see Rathbun, H. J.) **71,** 368–374